FORM PTO 1449 (modified) APPLICATION NO.									
1 U.S. DEPARTMENT OF COMMERCE 3 700 684.3175 09/825,991									
(Use several sheets if necessary)				G DATE			GROUP		
TRADE				April 5, 20	001		2871		
- U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME			CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
d	6,221,444	4/24/01	Okada, et al.		428	1.25			
C	5,932,136	8/3/99	Terada, et al.		252	299.1			
Ch	5,805,129	9/8/98	Inaba et al.		345	97	<u> </u>		
Ct.	5,719,651	2/17/98	Okada, et al.			349	85		
ch	5,684,613	11/4/97	Taniguchi et al.		359	81			
ch	5,661,532	8/26/97	Okada, et al.			349	135		
CL	5,612,802	3/18/97		Okada, et al.		349	129	/ \	
FOREIGN PATENT DOCUMENTS									
	DOCUMENT NUMBER	DATE	COUNTRY			CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
CL	1 083 613	3/14/01	EP						
C	1 089 596	4/4/01	EP		<u></u> .				
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
Adam, et al., "Fast Photoconduction in the Highly Ordered Columnar Phase", Natur, Vol. 371, No. 8 (September 1994), pages 141-143.									
ch	Stapff, et al., "Multilayer Light Emitting Diodes Based on a Columnar Discotics", Preliminary Communication (1997), pages 613-617.								
ch	Lüssem, et al., "Liquid Crystalline Materials For Light-emitting Diodes", Polymers for Advanced Technologies, Vol. 9 (1998), pages 443-460.								
Ch	· · ·	Christ, et al., "Columnar Discotics for Light Emitting Diodes", Advanced Materials, Vol. 9, No. 1 (1997), pages 48-52.							
ch	Tang, et al., "Organic Electroluminiscent Diodes", Applied Physics Letter, Vol. 51, No. 12 (1987), pages 913-915.								
EXAMINER ALL			DATE CONSIDERED	10/8	102				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet_1_ of _1_